



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/954,562	09/17/2001	Juha Kalliokulju	324-010517-US(PAR)	7947
2512	7590	07/08/2005	EXAMINER	
PERMAN & GREEN 425 POST ROAD FAIRFIELD, CT 06824			JEAN, FRANTZ B	
			ART UNIT	PAPER NUMBER
			2151	

DATE MAILED: 07/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/954,562

Applicant(s)

KALLIOKULJU, JUHA

Examiner

Frantz B. Jean

Art Unit

2151

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 September 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 1/31/02.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

This is a first office action in response to application filed on 09/17/2001. Claims 1-10 are presented for examination.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 01/31/2002 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-10 are rejected under 35 U.S.C. 102(a) as being anticipated by Miyazaki et al. hereinafter Miyazaki, Robust Header Compression (RoHC) WG, May 2000.

As per claim 1, Miyazaki teaches, a method for defining a context identifier when compressing header fields of data packets (page 006, paragraph 4 et seq), the method comprising: defining a context for a compressor and decompressor of a data packet flow (page 006, paragraph 4 to page 008), the context controlling the operation of the compressor and decompressor, identifying the context by a context identifier attached to the data packet, and defining the length of the context identifier in the context identifier of the data packet being transmitted between the compressor and decompressor (see

page 007, section 5.0 to page 009, section 5.2.2 et seq).

As per claim 2, Miyazaki teaches a method as claimed in claim 1, wherein the context identifier comprises a field of at least one bit for defining the length of the context identifier (see page 007 section 5.1 et seq).

As per claim 3, Miyazaki teaches a method as claimed in claim 1, wherein the length of the context identifier is defined in each transmitted context identifier of the data packet (see page 007 section 5.1 et seq).

As per claim 4, Miyazaki teaches a method as claimed in claim 1, wherein the length of the context identifier is defined only in the context identifier of the data packet transmitted first (see pages 008 to 010, section 5.2 to section 5.2.2 et seq).

As per claim 5, Miyazaki teaches a method as claimed in claim 1, further comprising defining a different length for the context identifier of the data packet flow transferred from the compressor to the decompressor than for the context identifier of the data packet flow transferred from the decompressor to the compressor (see pages 007 to 010, section 5.0 to section 5.2.2 et seq).

As per claim 6, Miyazaki teaches a method as claimed in claim 1, further comprising performing said header field compression according to the ROHC definition (Robust

header compression, see page 004, title; abstract).

As per claim 7, Miyazaki inherently/implicitly teaches a method as claimed in claim 1, that further comprising performing said header field compression on the radio interface of a mobile system, such as the UMTS system (see abstract (wireless link) at page 004; page 005 section 3, introduction).

As per claim 8, Miyazaki teaches a compression system for compressing header fields of data packets, which system comprises a compressor for compressing a data packet flow being transmitted and a decompressor for decompressing a data packet flow being received, the compressor and decompressor of the data packet flow are configured to be defined a context, by means of which the operation of the compressor and decompressor is controlled, and the context is configured to be identified by a context identifier attached to the data packet, and the length of the context identifier is configured to be defined in the context identifier of the data packet being transmitted between the compressor and the decompressor (see page 006 section 4 to page 009 section 5.2.2 et seq; see also sections 5.3 to 5.4)

As per claim 9, Miyazaki teaches a system as claimed in claim 8, wherein the context identifier comprises a field of at least one bit for defining the length of the context identifier (see page 007 section 5.1 et seq).

Art Unit: 2151


As per claim 10, Miyazaki a system as claimed in claim 8, wherein the length of the context identifier is configured to be defined in the context identifier of each data packet being transmitted (see page 007 section 5.1 et seq).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frantz B. Jean whose telephone number is 571-272-3937. The examiner can normally be reached on 8:30-6:00 M-f.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on 571 272 3939. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Frantz Jean



FRANTZ B. JEAN
PRIMARY EXAMINER